

LSI Docket No. 01-265

**Claim Amendments**

Please amend the claims as follows:

1. (Currently Amended) A bus bridge device for transfer of indefinite length burst transactions from a first bus to a second bus via said bus bridge device, said bus bridge device comprising:

a detector circuit to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite total length; and

a translator circuit to translate said burst transaction to a new burst transaction having a predetermined length and to apply the new burst transaction to the second bus.

2. (Original) The device of claim 1 further comprising:

a configuration register to store a configuration value indicative of said predetermined length.

3. (Original) The device of claim 2 wherein said translator circuit includes:

a lookup table for determining said predetermined length from said configuration value.

4. (Original) The device of claim 1 further comprising:

a configuration switch to define a configuration value indicative of said predetermined length.

5. (Original) The device of claim 4 wherein said translator circuit includes:

a lookup table for determining said predetermined length from said configuration value.

6. (Currently Amended) A method operable in a bus bridge device for transfer of indefinite length burst transactions from a first bus to a second bus via said bus bridge device, the method comprising the steps of:

detecting initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite total length; and

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translating said burst transaction to a new burst transaction having a predetermined length; and  
applying the new burst transaction to the second bus.

7. (Original) The method of claim 6 further comprising:  
storing a configuration value in a configuration register wherein said configuration value is indicative of said predetermined length.

8. (Original) The method of claim 7 wherein the step of translating includes the step of:  
determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

9. (Original) The method of claim 6 further comprising the step of:  
setting a switch to define a configuration value indicative of said predetermined length.

10. (Original) The method of claim 9 wherein the step of translating includes the step of:  
determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

11. (Currently Amended) A slave device for transfer of indefinite length burst transactions received from a master device on a first bus to a device controller on a second bus via said slave device, said slave device comprising:

a detector circuit to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite total length; and

a translator circuit to translate said burst transaction to a new burst transaction having a predetermined length and to apply the new burst transaction to the second bus.

12. (Original) The device of claim 11 further comprising:

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a configuration register to store a configuration value indicative of said predetermined length.

13. (Original) The device of claim 12 wherein said translator circuit includes:  
a lookup table for determining said predetermined length from said configuration value.

14. (Original) The device of claim 11 further comprising:  
a configuration switch to define a configuration value indicative of said predetermined length.

15. (Original) The device of claim 14 wherein said translator circuit includes:  
a lookup table for determining said predetermined length from said configuration value.

16. (Currently Amended) A method operable in a slave device for transfer of indefinite length burst transactions received from a master device on a first bus to a device controller on a second bus via said slave device, the method comprising the steps of:

detecting initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite total length; ~~and~~

translating said burst transaction to a new burst transaction having a predetermined length; and

applying the new burst transaction to the second bus.

17. (Original) The method of claim 16 further comprising:  
storing a configuration value in a configuration register wherein said configuration value is indicative of said predetermined length.

18. (Original) The method of claim 17 wherein the step of translating includes the step of:

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determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

19. (Original) The method of claim 16 further comprising the step of:  
setting a switch to define a configuration value indicative of said predetermined length.

20. (Original) The method of claim 19 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.